

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,227,311 B2
APPLICATION NO. : 09/941780
DATED : June 5, 2007
INVENTOR(S) : Takeo Tsukamoto et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE TITLE PAGE [56] REFERENCES CITED:

Foreign Patent Documents,

“JP WO 89/07163 8/1989” should read --WO WO 89/07163 8/1989--,
“200227703” should read --2000-277003--, and
Insert --2003/136896 9/2000 Takikawa et al.--; and

Other Publications,

After “A.M. Rao et al.”: “of” should be deleted,
After “Q.H. Wang et al.”: “pp. 2912-2913.” should read --2912-2913.
(2000)--,
After “R.T.K. Baker et al.”: “Acy-” should read --Ac- --,
After “T. Guo et al.”: “Ch m” should read --Chem.--,
After “A. Thess et al.”: “vol. 273” should read --vol. 273--,
“C.A. Spindt et al., “Physical Properties of Thin-Film Field emission
Cathodes with Molybdenum Cones”, Journal of Applied
Physics, vol. 47, No. 12 (1976), pp. 5248-5263.” should read
--C.A. Spindt et al., “Physical Properties of Thin-Film Field
Emission Cathodes with Molybdenum Cones”, Journal of
Applied Physics, vol. 47, No. 12 (1976), pp. 5248-5263.--,
“Toshaki” should read --Toshiaki--,
After “Tashiaki Kusunoki et al.”: “Japanes” should read --Japanese--,
and
After “Hisashi Araki et al.”: “th” should read --the--.

COLUMN 5:

Line 7, “emitter, 135” should read --emitter 135--.

COLUMN 9:

Line 13, “intention,” should read --invention,--.

COLUMN 10:

Line 27, “as” should be deleted.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,227,311 B2
APPLICATION NO. : 09/941780
DATED : June 5, 2007
INVENTOR(S) : Takeo Tsukamoto et al.

Page 2 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 11:

Line 10, "case." should read --cases.--;
Line 23, "a" should read --an--;
Line 31, "ad" should be deleted; and
Line 53, "voltage" should read --voltage of--.

COLUMN 12:

Line 64, "envelop" should read --envelope--.

COLUMN 13:

Line 1, "envelop" should read --envelope--;
Line 7, "envelop" should read --envelope--; and
Line 11, "envelop" should read --envelope--.

COLUMN 14:

Line 3, "adiameter" should read --diameter--; and
Line 51, "was" should read --were--.

COLUMN 15:

Line 5, "we" should read --Ie--; and
Line 19, "Excepting" should read --Except for--.

COLUMN 17:

Line 20, "envelop" should read --envelope--;
Line 27, "envelop" should read --envelope--;
Line 31, "envelop" should read --envelope--; and
Line 43, "voltage" should read --voltages--.

COLUMN 18:

Line 3, "of" should read --by--.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,227,311 B2
APPLICATION NO. : 09/941780
DATED : June 5, 2007
INVENTOR(S) : Takeo Tsukamoto et al.

Page 3 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

COLUMN 19:

Line 38, Claim 1, "electrode, and" should read --electrode;--.

Signed and Sealed this

Twenty-seventh Day of May, 2008

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large loop for the "J" and a cursive "Dudas".

JON W. DUDAS
Director of the United States Patent and Trademark Office